

CLAIMS

1. A resin molding method for protecting a winding of a resolver comprising:

providing a first mold member, a second mold member, and a movable part, wherein the movable part is movable with respect to the mold members;

urging the movable part toward the second mold member such that the movable part is closely engaged with the second mold member while an annular stator of the resolver is sandwiched between the mold members in a manner such that the annular stator surrounds the movable part;

injecting a fused resin molding material into a space formed between the first mold member and the second mold member, when the stator, which includes the winding, is sandwiched between the first mold member and second mold member to cover the winding with the molding material.

2. The method according to claim 1, wherein a cylindrical projection of the second mold member extends into an inner opening of the stator, and the movable part is closely engaged with the cylindrical projection during the injecting.

3. The method according to claim 1, wherein the molding material is a co-polymerizing polyester hot melt that has no glass

transition point within a range of temperatures to which the resolver is normally exposed.

4. The method according to claim 2, wherein the molding material is a co-polymerizing polyester hot melt that has no glass transition point within a range of temperatures to which the resolver is normally exposed.

5. The method according to claim 1, wherein the movable part is fitted within an inner opening of the stator during the injecting.

6. A resin molding method for protecting a winding of a resolver comprising:

providing a first mold member, a second mold member, and a movable part, wherein the movable part is independently movable with respect to the mold members in an axial direction;

urging the movable part toward the second mold member such that the movable part is closely engaged with the second mold member while an annular stator of the resolver is sandwiched between the mold members in a manner such that the annular stator surrounds and contacts an outer surface of the movable part;

injecting a fused resin molding material into a space formed between the top mold and the bottom mold member, when the stator, which includes a coiled winding, is sandwiched between the top mold and bottom mold member to cover the winding with the fused resin molding material.

7. The method according to claim 6, wherein a cylindrical projection of the second mold member extends into an inner opening of the stator, and the movable part is closely engaged with the cylindrical projection during the injecting.

8. The method according to claim 6, wherein the molding material is a co-polymerizing polyester hot melt that has no glass transition point within a range of temperatures to which the resolver is normally exposed.

9. The method according to claim 7, wherein the molding material is a co-polymerizing polyester hot melt that has no glass transition point within a range of temperatures to which the resolver is normally exposed.